

CLAIMS

1. Food cooking surface for kitchen utensil or cooking appliance, characterized in that this cooking surface is a metal alloy of zirconium and at least one other metal, and the zirconium content of which is at least 75%.
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2. Food cooking surface for kitchen utensil or cooking appliance according to the preceding claim, characterized in that the alloy contains less than 10% of elements in addition to the zirconium.
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3. Food cooking surface for kitchen utensil or cooking appliance according to one of the preceding claims, characterized in that it is obtained by the deposit of a suitable thickness of metallic material on a substrate.
- 15 4. Food cooking surface for kitchen utensil or cooking appliance according to claim 3, characterized in that the deposit is carried out by cathode sputtering of a massive target.
- 20 5. Food cooking surface for kitchen utensil or cooking appliance according to claim 4, characterized in that the target is obtained by assembly on a copper substrate of one or more sheets or plates of material having the desired composition, said sheets or plates being obtained either by powder sintering or thermal powder projection, or resulting from casting.
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6. Food cooking surface for kitchen utensil or cooking appliance according to one of claims 1 to 2, characterized in that it is obtained by assembly of a crystalline metal sheet having the desired composition on a substrate.

7. Food cooking surface for kitchen utensil or cooking appliance according to claim 6, characterized in that the sheet is obtained by rolling of an ingot resulting from melting of a mixture of metals.

5 8. Surface cooking from food for kitchen utensil or cooking appliance according to one of the claims 6 or 7, characterized in that the assembly is carried out by one of the following techniques: colaminating, brazing, hot striking.

10 9. Food cooking surface for kitchen utensil or cooking appliance according to one of claims 6 to 8, characterized in that the sheet and the substrate undergo, after assembly, a step of working by stamping.

15 10. Food cooking surface for kitchen utensil or cooking appliance according to one of claims 3 to 9, characterized in that the substrate is composed of one or more metal sheet(s) of the following materials: aluminum, stainless steel, cast iron, steel, copper.